

ABSTRACT

Disclosed herein is a pressure sensitive adhesive sheet and a pressure sensitive adhesive sheet with a release sheet which hardly give adverse effects to hard disc drives or the like. The pressure sensitive adhesive sheet with the release sheet is constructed from a pressure sensitive adhesive sheet having a pressure sensitive adhesive base and a pressure sensitive adhesive layer, and a release sheet having a release sheet base and a releasing agent layer, and the release sheet is adhered onto the pressure sensitive adhesive sheet so that the releasing agent layer contacts with the pressure sensitive adhesive layer. In this pressure sensitive adhesive sheet with the release sheet, the content of silicone compound in the pressure sensitive adhesive sheet is preferably equal to or less than  $500 \mu\text{g}/\text{m}^2$ . Further, it is preferable that the amount of gas generated from the pressure sensitive adhesive sheet at a temperature of  $85^\circ\text{C}$  for 30 minutes is equal to or less than  $20 \text{ mg}/\text{m}^2$ . Furthermore, it is also preferable that the sum of amounts of  $\text{NO}_x^-$ ,  $\text{Cl}^-$ ,  $\text{PO}_4^{3-}$ ,  $\text{K}^+$ ,  $\text{F}^-$ ,  $\text{Na}^+$  and  $\text{Ca}^{2+}$  contained in the pressure sensitive adhesive sheet is equal to or less than  $20 \text{ mg}/\text{m}^2$ .